CALVIN HO

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EDUCATION

Technological University Dublin *(Graduated 2022)*

- Bachelors in Computer Science International (Hons)

Beihang University, Beijing, China *(2019)*

- Certificate, 3 month study exchange program in Computer Science and Chinese

WORK EXPERIENCE

Independent Developer *(2023 - 2024)*
Dublin, Ireland

· Designed and developed web applications for personal and small-business use, including PokePacks, a personal e-commerce platform for trading card products, and some small websites for local art markets.
· Implemented responsive UIs using React and Node.js/Express, integrated PostgreSQL databases and deployed via Render.
· Collaborated with stakeholders to define project goals, create mockups, and deliver tailored UI/UX solutions.
· Utilised Git and Agile workflows to manage project development and iterations.

Team Member, Bakers and Baristas *(2020 - 2023)*
Unit 20, Level 3 Dundrum Shopping Centre, Dundrum, Dublin

· Gained valuable experience during college working as part of a team, managing time, conducting independent work, and communicating effectively with team members and management.

TECHNICAL STRENGTHS AND SKILLS

- **JavaScript:** Proficient in JavaScript with hands-on experience creating Restful Applications. Experience in designing a full stack application using Node.js/Express.js for back-end development and React for responsive front-end UI.

- **Python:** Experience using Python for multiple projects, such as restful applications using Django, and developing AI applications with TensorFlow and OCR.

- **C, C++:** Used in various college modules and personal projects, such as distributed systems, multithreading, sockets, TCP/UDP server-client applications.

- **Database development:** Firm knowledge of database design and technologies. Worked with different back-end technologies such as PostgreSQL, MongoDB and MySQL.

- **Web development:** Valuable experience in website development with knowledge of React.js, Node.js/Express.js, and Django to create RESTful applications.

- **Agile methodologies:** Agile software development strategies were studied deeply in college and used in multiple projects. Most of the projects were developed using AGILE/SCRUM with Kanban.

- Version Control: I use Git extensively to manage project development and iterations throughout projects. Experience managing repositories, including forking, managing different branches, writing documentation, and resolving merge conflicts for group projects.

PERSONAL PROJECTS

- PokePacks: An e-commerce website for Pokemon merchandise. Coded in React with Node.js, Express.js, and PostgreSQL.

  Link: [PokePacks](#)

- ClassTrail: A learning management system for teachers and students. Records completed homework and manages classes for teachers and students. Full-stack development using Python, Django, AWS, Git and Heroku.

  Link: [ClassTrail](#)

- Car Registration Plate Recogniser: A Python project using OCR and AI to read an image containing a vehicle registration plate into text.

  Link: [Calvinho](#)

LANGUAGES & TECHNOLOGIES

- Lanaguages: JavaScript, Python, Java, C, C++, SQL, HTML, CSS.

- Frameworks & Libraries: React, Django, Node.js, Express.js, Tailwind CSS, Bootstrap

- Tools & Platforms: GitHub, Docker, AWS, Heroku, Render, Linux/Unix Systems.

- Databases: PostgreSQL, MongoDB, SQLite.